



8" DIAMETER/10 WATT UL LISTED LOUDSPEAKER ASSEMBLIES

UHT SERIES
UKT SERIES



UHT Series



UKT Series

FEATURES

- UL Listed, Fire-Retardant and Moisture-Proof Cone Loudspeakers Reproduce Emergency Alarm and Voice Instructions with Superior Intelligibility and Extended Frequency Response
- Attractive Ceiling-Loudspeaker/Baffle Assemblies Provide Unobtrusive Appearance of Life Safety and Emergency Signaling Loudspeakers
- Selection of Baffle Styles and Multi-Tapped Transformers Meet a Variety of Aesthetic and Application Requirements
- Listed Under UL Standard 1480 (Speakers for Fire-Protective Signaling Systems)
- Selection of UL Approved, Companion Enclosures is Offered

APPLICATIONS

Install attractive UL Listed UHT and UKT Series ceiling loudspeaker/baffle/transformer packages for dependable voice and alarm transmission in emergency audio evacuation systems. Cone loudspeaker assemblies deliver superior intelligibility for application in multi-occupancy and expanded space areas including high-rise residences, public buildings, health care and educational facilities, offices, banks, shopping areas, motels/hotels, distribution centers, and transportation terminals. Applied properly, single and dual voice coil models meet life safety code requirements per N.F.P.A. Standard 72 for supervised loudspeakers in fire-protective signaling and communication systems.

GENERAL DESCRIPTION

Atlas Sound's UHT and UKT Series are 8" diameter single and dual voice coil loudspeakers equipped with dual (whizzer) cone and 10 oz. ceramic magnet to deliver extended frequency response with high intelligibility and minimal distortion. Cost-effective units are complete with fire-retardant moisture-proof cones, factory-mounted transformer, 6" color-coded leads, and a wide selection of architecturally pleasing baffles. UHT Series loudspeakers have a 1" dia. voice coil, choice of 70.7 or 25-volt transformer, and DC blocking capacitor for line supervision applications. UKT Series loudspeakers are equipped with two 1" dia. voice coils, two transformers (specify 70.7 or 25 volts), and a DC blocking capacitor. To comply with UL requirements, loudspeaker packages must be used with UL-approved enclosures (refer to back page for baffle/enclosure information and to SL6-1424 "Enclosures for UL Listed Loudspeakers").

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LOUDSPEAKER SPECIFICATIONS

MODEL	SIZE	MAGNET	FREQUENCY RESPONSE	POWER RATING(RMS)	IMPEDANCE	FLUX DENSITY	SENSITIVITY *	VOICE COIL DIAMETER	DEPTH
UHT	8" (203mm)	10 oz. (260 g)	85 Hz - 8 kHz ± 5dB	10 Watts	8 Ohms	10,600 Gauss	97dB Peak 94dB Avg.	1" (25mm)	2 7/8" (73mm)
UKT			60 Hz - 8 kHz ± 5dB	10 Watts	8 Ohms (each coil)		94dB Peak 91dB Avg.		

* UL ratings measured per UL Standard 1480 at 1 watt, 10 feet (3dB increment rating): UHT = 81dB; UKT = 78dB.

Specifications subject to change without notice

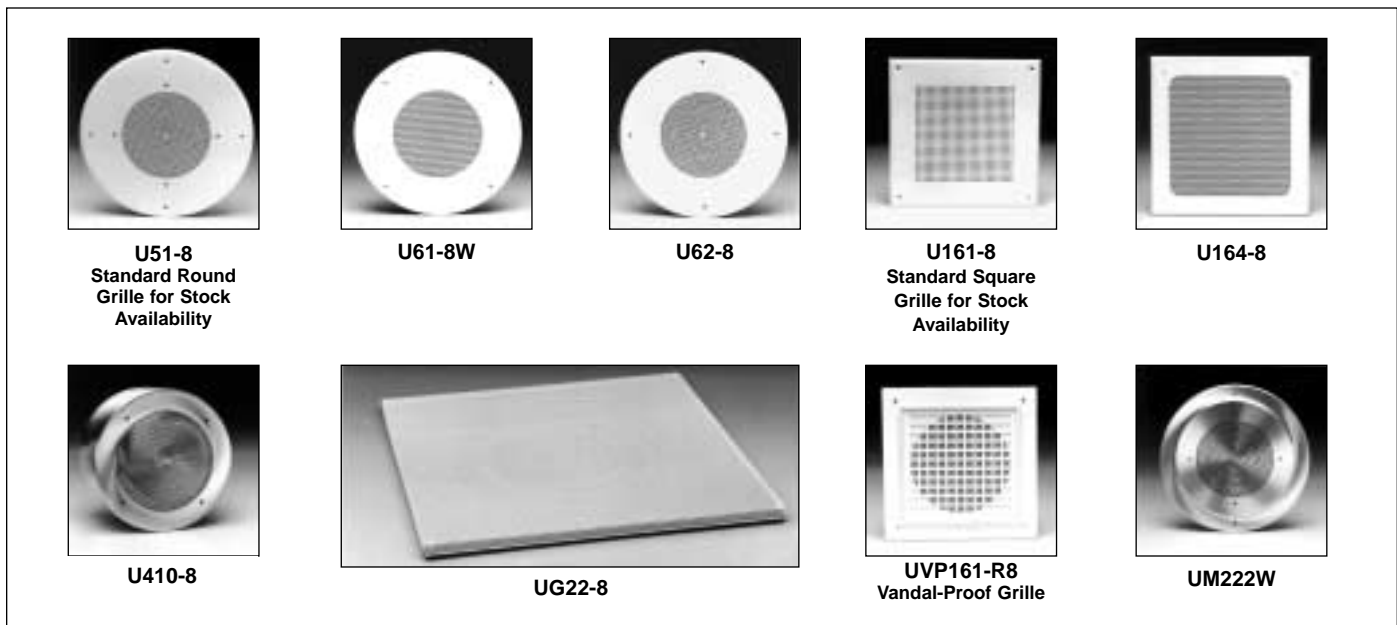


1601 JACK MCKAY BLVD. / ENNIS, TEXAS 75119 U.S.A. / TELEPHONE: (800) 876-3333 / FAX (800) 765-3435

TRANSFORMER SPECIFICATIONS				
PRIMARY TAPS	SECONDARY	INSERTION LOSS	CORE SIZE	DC BLOCKING CAPACITOR
1/2, 1, 2, & 5 Watts	8 Ohms	1.5dB	1/2" x 5/8" (13mm x 16mm)	10 mfd @ 50V (25V Xfmr) 4 mfd @ 150V (70.7V Xfmr)

LOUDSPEAKER / TRANSFORMER / BAFFLE / ENCLOSURE INFORMATION							
MODEL	SPEAKER TYPE	BAFFLE		XFMR VOLTAGE	MOUNTS ENCLOSURE** (ORDER SEPARATELY)		
		TYPE	COLOR				
UHT70(25)C-U51-8	Single Voice Coil	U51-8	White	70.7V(25V)	U95-8, U96-8		
*UHT70(25)C-U61-8W		U61-8(W)	Brushed Aluminum or White		U95-8, U96-8		
*UHT70(25)C-U62-8		U62-8	White		U95-8, U96-8		
UHT70(25)C-U161-8		U161-8	White		U198-8, USE175-4		
*UHT70(25)C-U164-8		U164-8	White		U191-78		
*UHT70(25)C-U410-8		U410-8	Brushed Aluminum or White		Not Required		
*UHT70(25)C-UG22-8		UG22-8	Off White Matte		U95-8, U96-8		
*UHT70(25)C-UVP161-R8		UVP161-R8	White		U193-8		
*UHT70(25)C-UT51-8		UT51-8	White		UT95-8		
*UHT70(25)C-UT61-8W		UT61-8(W)	Brushed Aluminum or White		UT95-8		
*UHT70(25)C-UT161-8		UT161-8	White		UT198-8, USE175-4		
*UHT70(25)C-UT164-8		UT164-8	White		UT191-78		
UKT70(25)-2-U51-8		Dual Voice Coil	U51-8		White	70.7V(25V)	U95-8, U96-8
*UKT70(25)-2-U62-8			U62-8		White		U95-8, U96-8
UKT70(25)-2-U161-8	U161-8		White	U198-8, USE175-4			
*UKT70(25)-2-UM222W	UM222(W)		Brushed Aluminum or White	U95-8, U96-8			

* Noted assemblies are available in quantities of 100 or more only.
 ** Recessed enclosures for UL listed loudspeakers are also plenum rated under UL file S1824.



ARCHITECT AND ENGINEER SPECIFICATIONS

UL Listed 8" diameter fire-protective signaling loudspeaker shall be Atlas Sound single voice coil Model _____ (UHT Series) or dual voice coil Model _____ (UKT Series) for supervised service. UHT Series loudspeaker shall consist of a molded fire-retardant/moisture-proof cone, whizzer cone, and 10 oz. ceramic magnet. It shall have a single 1" diameter voice coil and shall be equipped with a (70.7 or 25V) transformer, and a DC blocking capacitor for line super-

vision applications. Dual voice coil Series UKT shall provide for line supervision with dual 1" dia. voice coils, two transformers, and a DC blocking capacitor. Loudspeaker shall be pre-assembled to Atlas Sound, baffle Model _____. Loudspeaker/baffle assembly shall mount to Atlas Sound UL approved companion enclosure Model _____.

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